

ABSTRACT

Methane or hydrogen are adsorbed by passing the substance through one or

5 more openings provided in a wall part of a carbon-nanohorn aggregate. The

carbon-nanohorn aggregate forms a self-locking carbon adsorbent. The substance

passes through the one or more openings in one limited direction from the outside to

the inside of the carbon nanohorn aggregate in isothermal or isobaric adsorption.